AMENDMENTS TO THE ABSTRACT

Replace the Abstract with:

Abstract

~~It is an object of the present invention to provide a downsized optical rotary encoder with a high degree of detection accuracy capable of stabilizing a light amount monitoring signal even on the occurrence of an error generated at the stage of assembly, adjustment and the like.~~

An optical encoder ~~according to the present invention~~ includes: a rotary slit plate having a rotation ~~angel~~ angle detection track ~~formed by~~ including an optical slit; a light source for applying light to the optical slit; light ~~receiving~~ detecting elements for rotation angle detection and arranged ~~in corresponding relationship with~~ at positions to which light emitted from the light source is applied to the optical slit, ~~thereby receiving~~ to detect the light emitted from the light source and passing through the optical slit; and light ~~receiving~~ detecting elements for light amount monitoring arranged at ~~several~~ locations on a circumference in corresponding relationship with positions to which light emitted from the light source is applied to the optical slit, ~~thereby receiving~~ to detect the light emitted from the light source and passing through the optical slit. ~~In this optical rotary encoder, the~~ The light ~~receiving~~ detecting elements for light amount monitoring have an angular width that is an ~~integral~~ integer multiple of the angular interval of the light intensity distribution~~,~~ on surfaces of the light ~~receiving~~ detecting elements for light amount monitoring~~, of light emitted from the light source and passed through the optical slit~~.